Medical Surveillance

- CESO Policies, 23 Sept. 1999 Memo, HTRW Medical Surveillance Program Inclusion and Frequency Criteria
  - Determine “covered” personnel
  - Generally examination every other year
  - More frequent examinations if warranted

Medical Surveillance

- Fit enough to handle HTRW work?
  - HTRW work is demanding
  - PPE adds to demands
    - Respirators
      - Heart and Lungs
    - Other PPE
      - Physical Demands and Heat Stress

Medical Surveillance

Monitor Exposure and the Effects of Exposure

– Chemical contaminants, contaminant byproducts or changes in physiological function.
  - Blood and Urine Analysis
  - Liver Function
  - Kidney Function
  - Chest X-Ray

Medical Surveillance

- Signs and Symptoms Exposure
  - Liver
  - Central and Peripheral Nervous System
  - Renal
  - Lungs

Medical Surveillance

- Perceptible Signs and Symptoms of Exposure – Liver
  - Jaundice
  - Nausea
  - Liver enlargement (swelling)
  - Blood tests
    - Elevated liver enzymes
    - Abnormal liver function

Medical Surveillance

- Perceptible Signs and Symptoms of Exposure – Nervous System
  - Drowsiness Dizziness
  - Memory Loss
  - Sensory loss and weakness in limbs
  - Loss of muscle control

Medical Surveillance

- Perceptible Signs and Symptoms of Exposure – Renal
  - Very few signs that can be sensed
  - Clinical signs and symptoms
    - Blood in urine
    - Protein in urine
    - Decreased urine output

Medical Surveillance

- Perceptible Signs and Symptoms of Exposure – Lungs
  - Inhalation Challenge
  - Cough and Wheezing
  - Lung tissue fibrosis
  - Edema